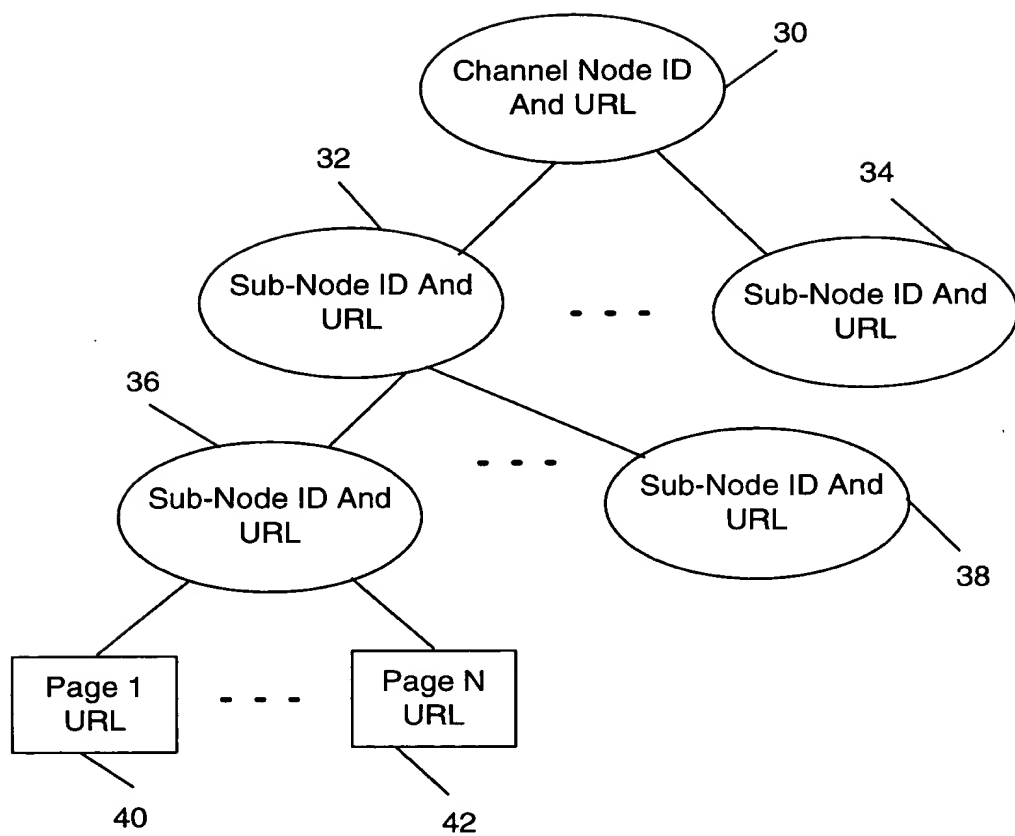


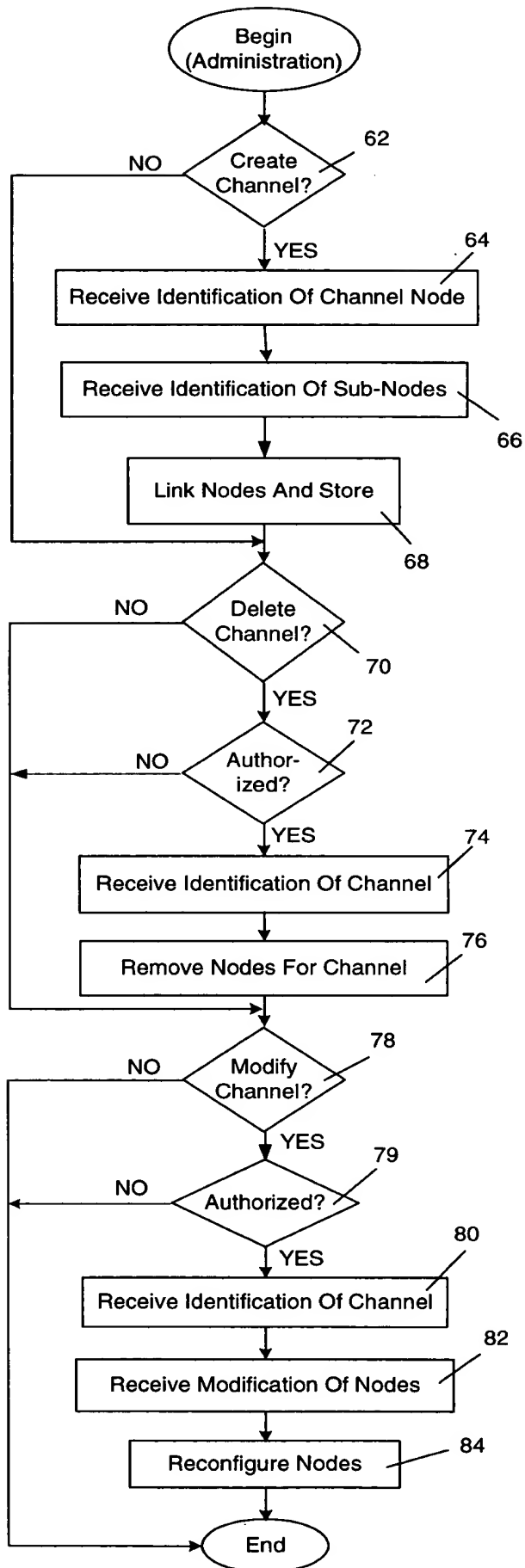
*Fig. 1*



*Fig. 2*

```
graph LR
    subgraph Machine_51 [Machine 51]
        Memory_52[Memory 52]
        Application_52[Application 52]
        Browser_52[Browser 52]
        Input_Device_54[Input Device 54]
        Display_Device_55[Display Device 55]
    end
    subgraph System_50 [System 50]
        Secondary_Storage_58[Secondary Storage 58]
        Processor_57[Processor 57]
        Output_Device_56[Output Device 56]
    end
    Bus_53[53]
    Memory_52 --- Bus_53
    Application_52 --- Bus_53
    Browser_52 --- Bus_53
    Input_Device_54 --- Bus_53
    Display_Device_55 --- Bus_53
    Bus_53 --- Secondary_Storage_58
    Bus_53 --- Processor_57
    Bus_53 --- Output_Device_56
    System_50 --- Network_59((Network 59))
```

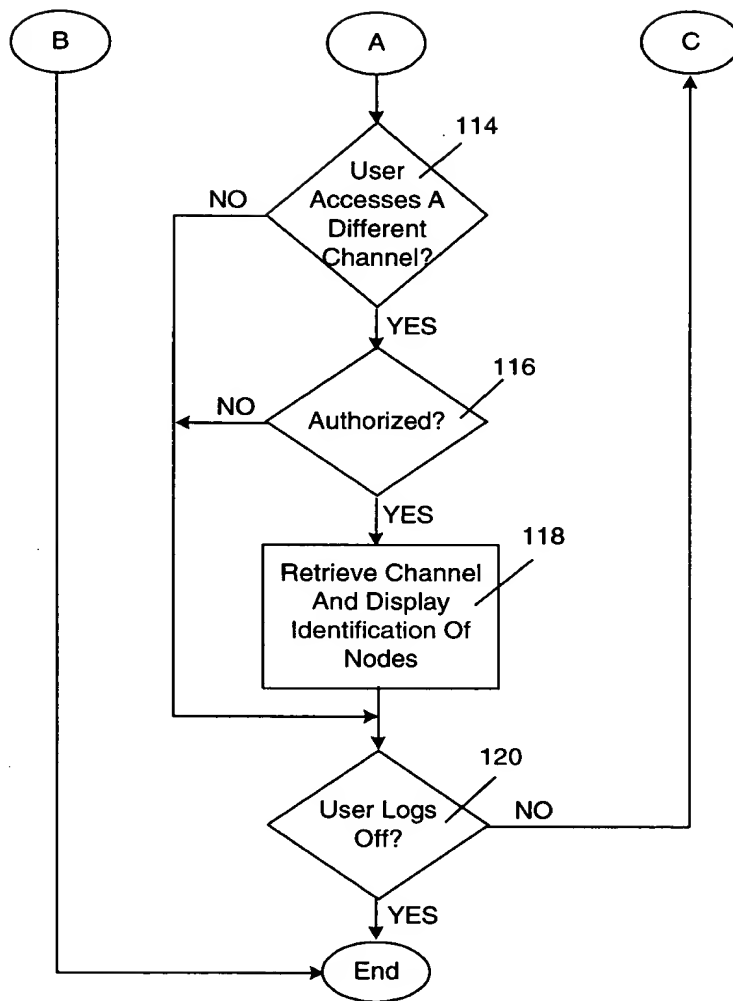
*Fig. 3*



*Fig. 4*



*Fig. 5a*



*Fig. 5b*

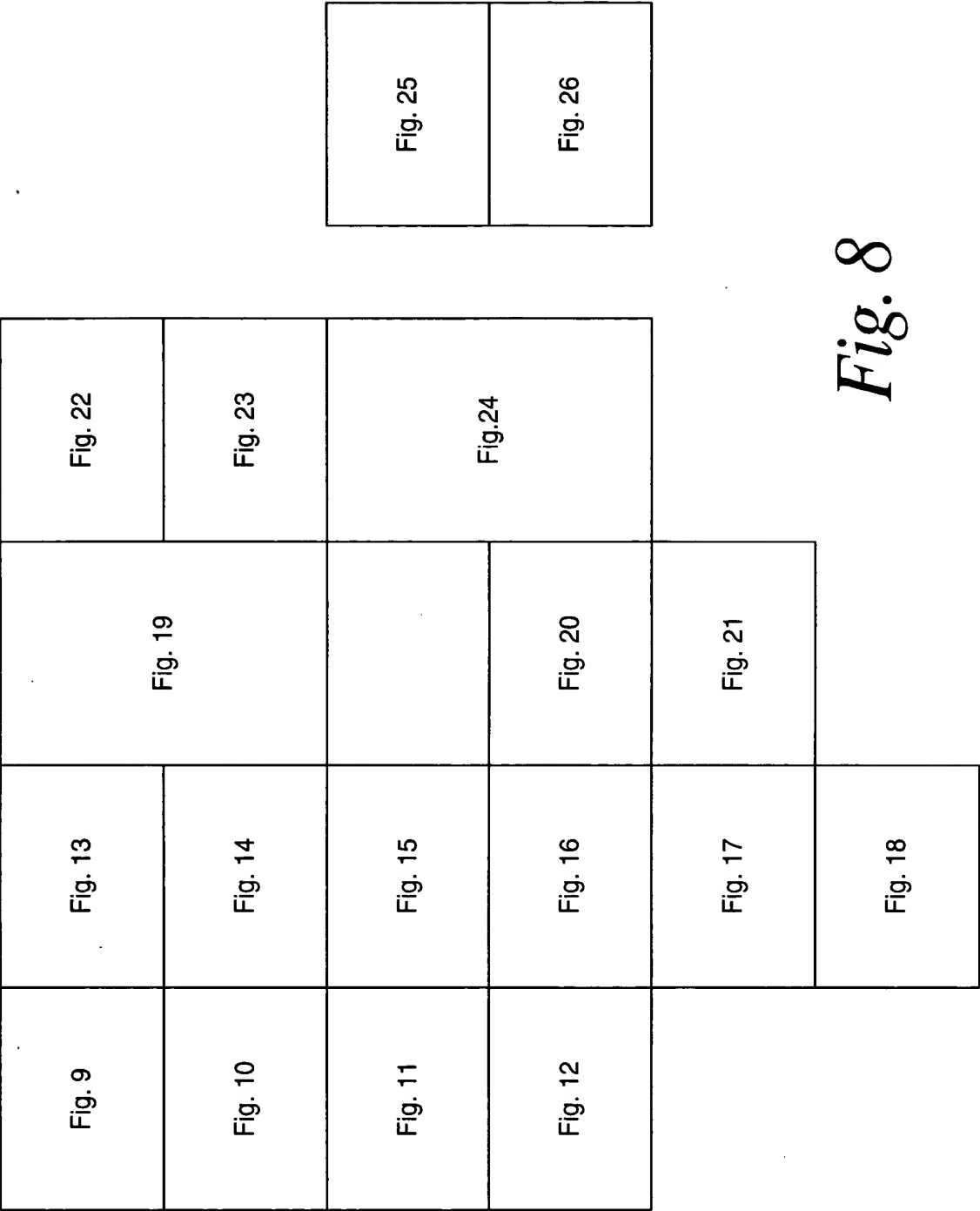


Fig. 6



Fig. 7





*Fig. 8*

**SmartChannels.Net**  
**Physical Database Schema - 9/21/00 - version 2.0**

## Table Types

Abbreviation	Description	Purpose
PE	Primary Entities	Tables containing primary attributes (fields) of a primary business entity or object
SE	Singular Supplemental Attributes Table, applying to Every primary entity record	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a one to one relationship with that primary business entity or object. Attributes of this type of table apply to every related primary entity record. In other words, every primary entity record has these supplemental attributes as well.
SS	Singular Supplemental Attributes Table, applying to Some or Specific types of primary entity records	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a one to one relationship with that primary business entity or object. Attributes of this type of table apply to specific types of related primary entity records, usually based on a field value within the primary entity record or may just apply to some primary entities. In other words, not every primary entity record has these supplemental attributes.
ME	Multiple Supplemental Attributes Table, applying to Every primary entity record	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a many to one relationship with that primary business entity or object. Attributes of this type of table apply to every related primary entity record. In other words, every primary entity record has these supplemental attributes as well.
MS	Multiple Supplemental Attributes Table, applying to Some or Specific types of primary entity records	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a many to one relationship with that primary business entity or object. Attributes of this type of table may apply to specific types primary entity record, usually based on a field value within the primary entity record or may just apply to some primary entities. In other words, not every primary entity record has these supplemental attributes.
XL	Cross (X) Link Table	Tables which define a many to many relationship, usually between primary business entities or objects
LK	Lookup Table	Tables that describe a code or abbreviation used to represent an attribute in any other type of table.
S T	System Table	Tables developed by SmartChannels.Net containing attributes (fields) which can drive system objects in the application
CL	Core Logic System Table	Tables developed by Core Logic containing attributes (fields) which can drive system objects in the application

*Fig. 9*

### **Data Type Abbreviations**

Abbreviation	MS-SQL Server 7.0 DataType	
b	binary[(n)]	
vb	varbinary[(n)]	
ch	char[(n)]	
vch	varchar[(n)]	
dt	datetime	
ts	Timestamp	
sdt	smalldatetime	
d	decimal[(p[, s])] numeric[(p[, s])]	Fixed Decimal
fl	float[(n)] real	Floating Point Decimal
i	Int	Integer
si	smallint	Small Integer
ti	tinyint	Tiny Integer
m	money	Money
sm	smallmoney	Small Money
bt	bit	Bit
ud	user-defined datatypes	

*Fig. 10*

### General Use Abbreviations

<u>Abbreviation</u>	<u>Description</u>
Addr	Address
Admin	Administrator
Amt	Amount
Arch	Archive
Ast	Assistance
Avg	Average
Bdcst	Broadcast
Ben	Benefit
Benf	Beneficiary
BOM	Beginning of Month
BOY	Beginning of Year
Cat	Category
Chg & Chgs	Change & Changes
Co	Company
Comp	Compensation
Coord	Coordination
CoPA	Company Plan
Ctrb	Contribution
Cvg	Coverage
Db	Database
Dct	Discount
Dep	Dependent
Desc	Description
Dest	Destination
Det	Detail
Dis	Discussion
DOM	Day of Month
DOY	Day of Year
Dy & Dys	Day & Days
Eff	Effective
Elect	Election
Elig	Eligible
Eligy	Eligibility
Emp	Employee
EOM	End of Month
EOY	End of Year
Evt	Event
Exp	Export
Ffmt	Fulfillment
Fmt	Format
Fndg	Funding
Freq	Frequency

<u>Abbreviation</u>	<u>Description</u>
Imp	Import
Init	Initial
Ins	Insurance
Loc	Location
LTD	Life To Date
Max	Maximum
Mbr	Member
Mgmt	Management
Mgr	Manager
Min	Minimum
Mkt	Market
MktP	Marketplace
Mo & Mos	Month & Months
Mthd	Method
No	Number
OE	Open Enrollment
Ofc	Office
Ofg	Offering
Ofr	Offer
Org	Organization
Pct	Percentage
Pg	Page
Pkg	Package
Plng	Planning
Pmt	Payment
Pref	Preferred
Prim	Primary
PTO	Paid Time Off
Recip	Recipient
Req	Request
Rsc	Resource
Sched	Schedule
Sec	Secondary
SKU	Stock Keeping Unit
Src	Source
Stmt	Statement
Subj	Subject
Subs	Subsequent
Svc	Service
Svg	Saving
Tech	Technology
Term	Termination
TPA	Third Party Administrator
Ven	Vendor
Vstg	Vesting
Yr & Yrs	Year & Years
YTD	Year To Date

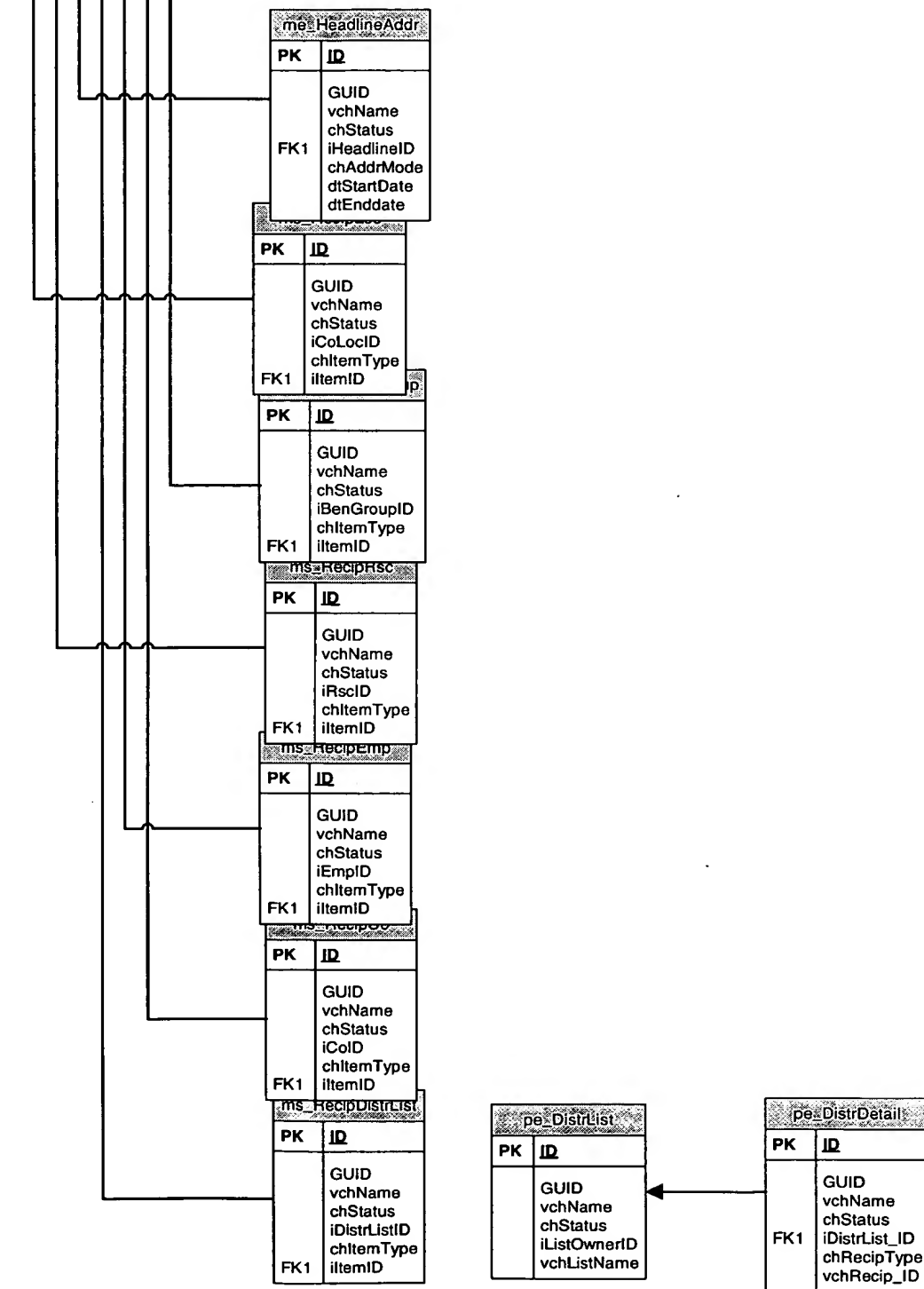
*Fig. 11*

000000-000000

PK	ID
	GUID vchName chStatus iAuthorID vchAuthorName vchHeadlineText chType vchSummary dtStartDate iStartForward iContent_ID iPageID vchURL

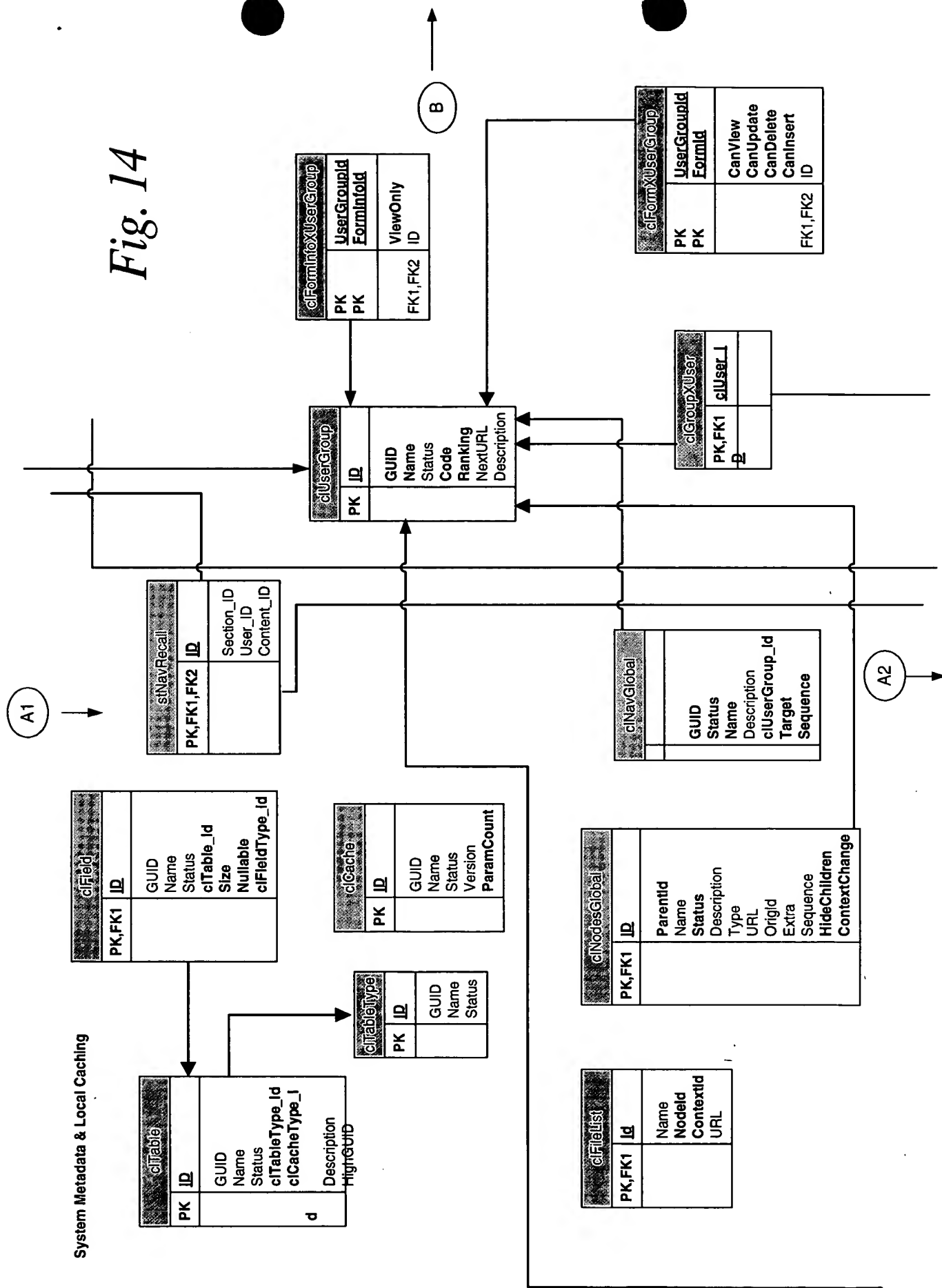
## Home Page Headlines

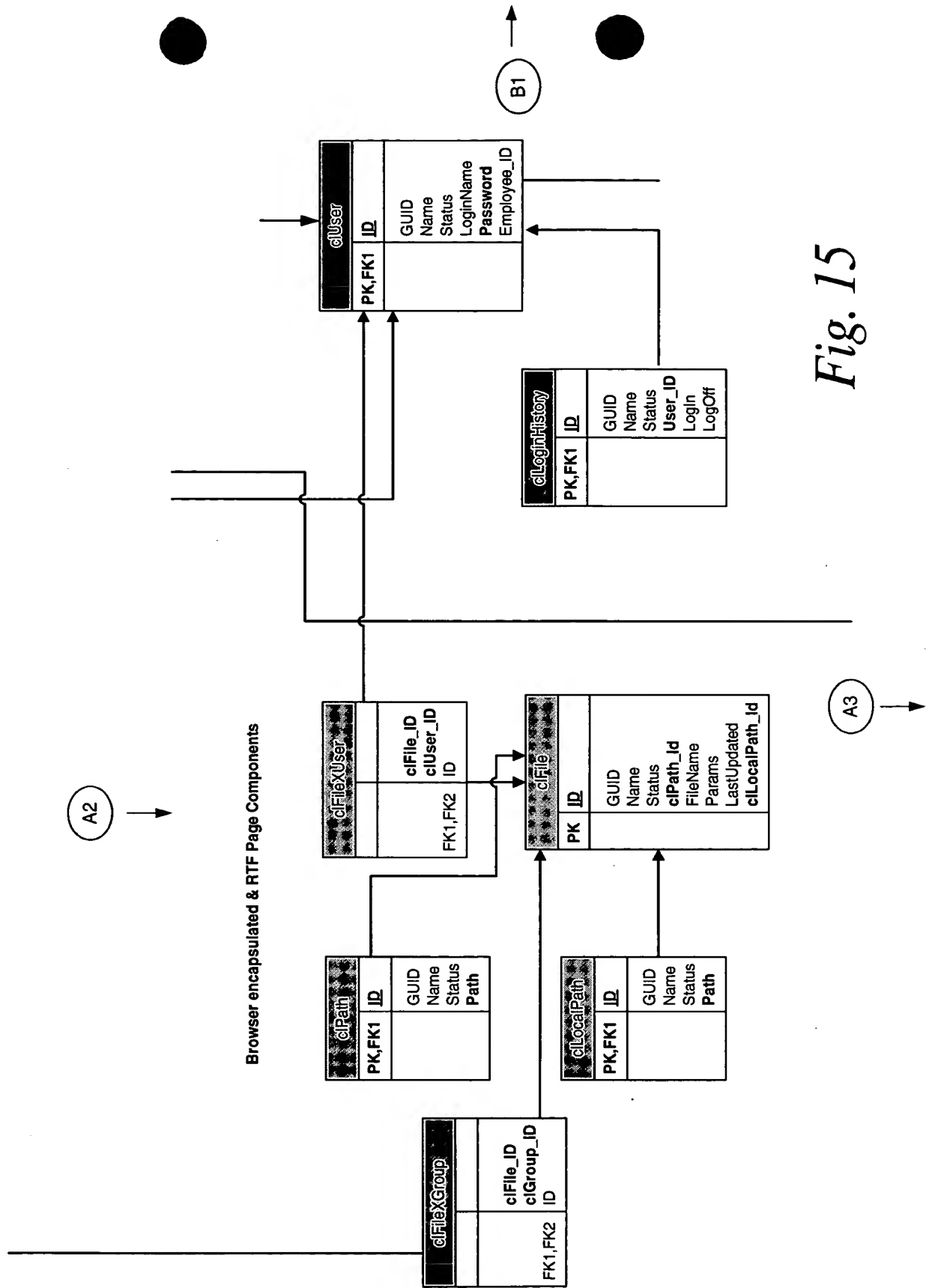
*Fig. 12*





**Fig. 14**









pe_Headline	
PK	ID
	GUID vchName chStatus iAuthorID vchAuthorName vchHeadlineText chType vchSummary dtStartDate iCarryForward iContent_ID iPageID vchURL

Home Page Headlines

me_HeadlineAddr	
PK	ID
FK1	GUID vchName chStatus iHeadlineID chAddrMode dtStartDate dtEndDate

ms_RecipLoc	
PK	ID
FK1	GUID vchName chStatus iCoLocID chItemType iltemID

ms_RecipRSC	
PK	ID
FK1	GUID vchName chStatus iBenGroupID chItemType iltemID

ms_RecipRSC	
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FK1	GUID vchName chStatus iRscID chItemType iltemID

ms_RecipEmp	
PK	ID
FK1	GUID vchName chStatus iEmpID chItemType iltemID

ms_Emp_E	
PK	ID
FK1	GUID vchName chStatus iEmpInt_ID chEntertainmentCode chEntertainmentFreq

ms_Emp_Act	
PK	ID
FK1	GUID vchName chStatus iEmpInt_ID chActivityCode chActivityFreq

ms_Emp_Act	
PK	ID
FK1	GUID vchName chStatus iEmpInt_ID chActivityCode chActivityFreq

ms_Emp_CompuUsage	
PK	ID
FK1	GUID vchName chStatus iEmpInt_ID

ms_Emp_Invest	
PK	ID
FK1	GUID vchName chStatus iEmpInt_ID chInvestmentType chOwnershipStatus

pe_BdcstText	
PK	ID
	GUID vchName chStatus vchHeadlineText chType vchTitle iAuthorID vchAuthorName vchSubj dtArchiveDate vchBdcstText_Content

xi_BenXBdcstLink	
PK	ID
FK1	GUID vchName chStatus iBdcstText_ID iPage_ID vchURL

me_BdcstText_Target	
PK	ID
FK1	GUID vchName chStatus chTargetCode iBdcstTarget_ParentID iBdcstText_ID iPageID vchURL

Fig. 17

↓



# Form Page Components

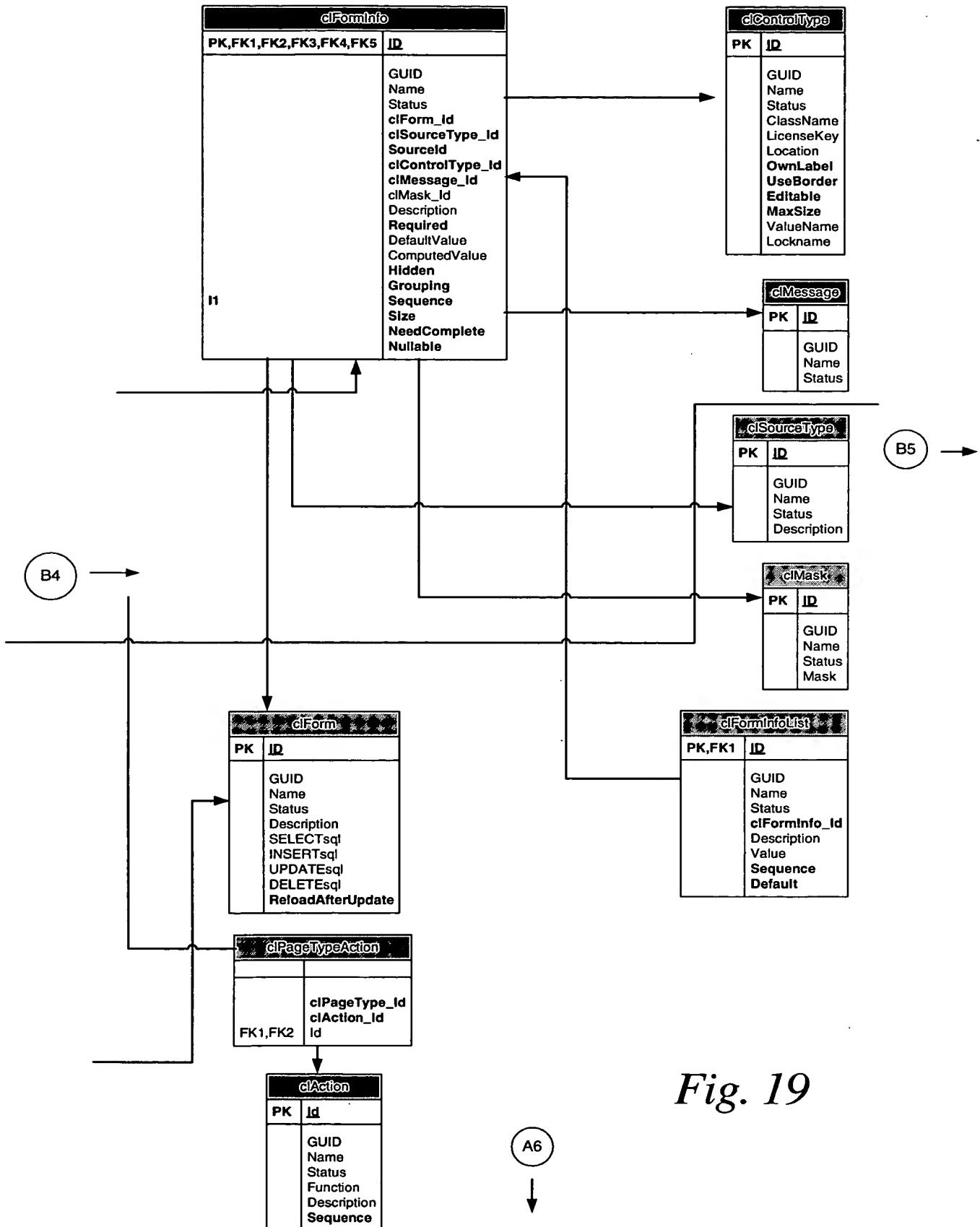


Fig. 19

00000-00000000

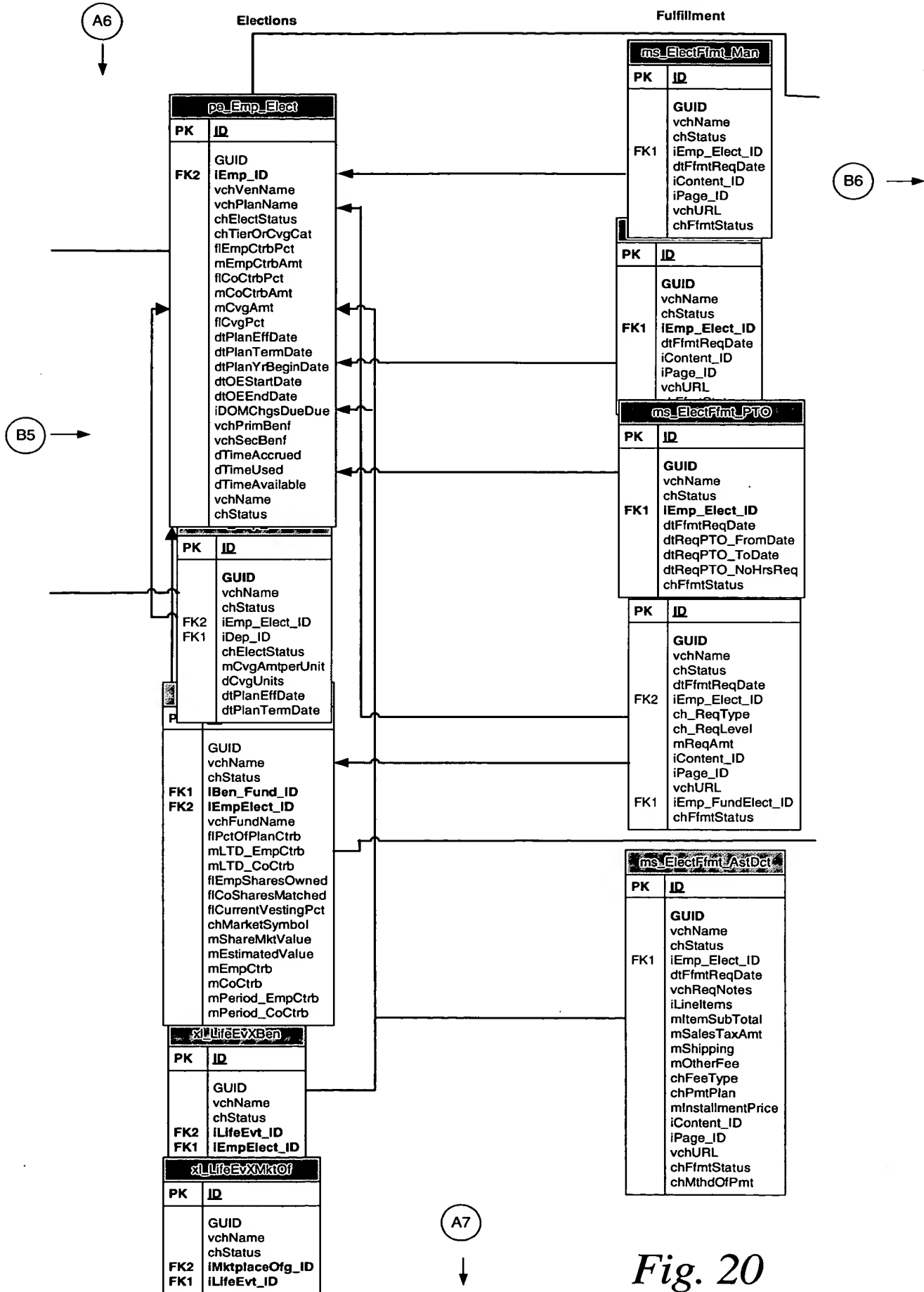
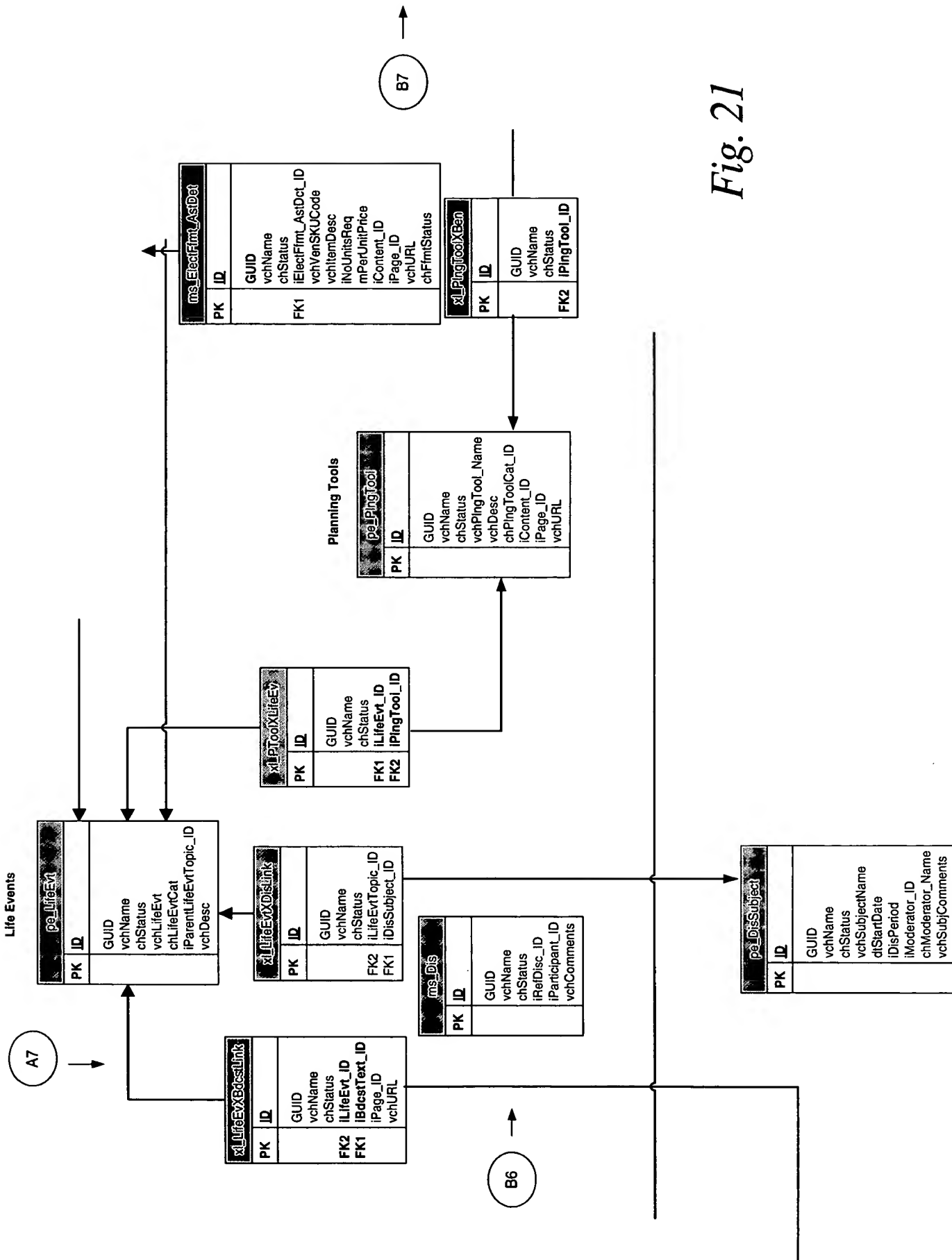


Fig. 20





A8

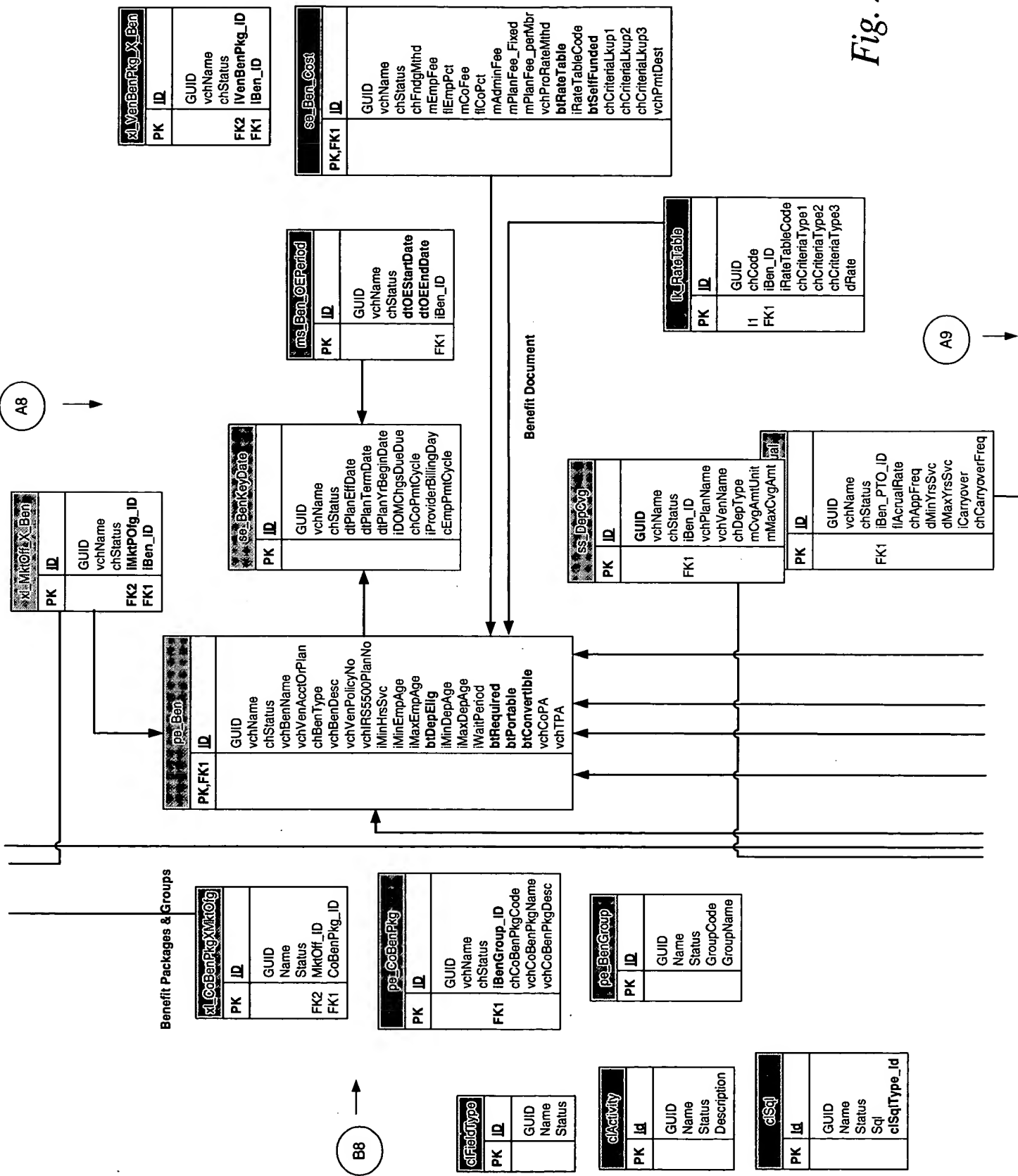
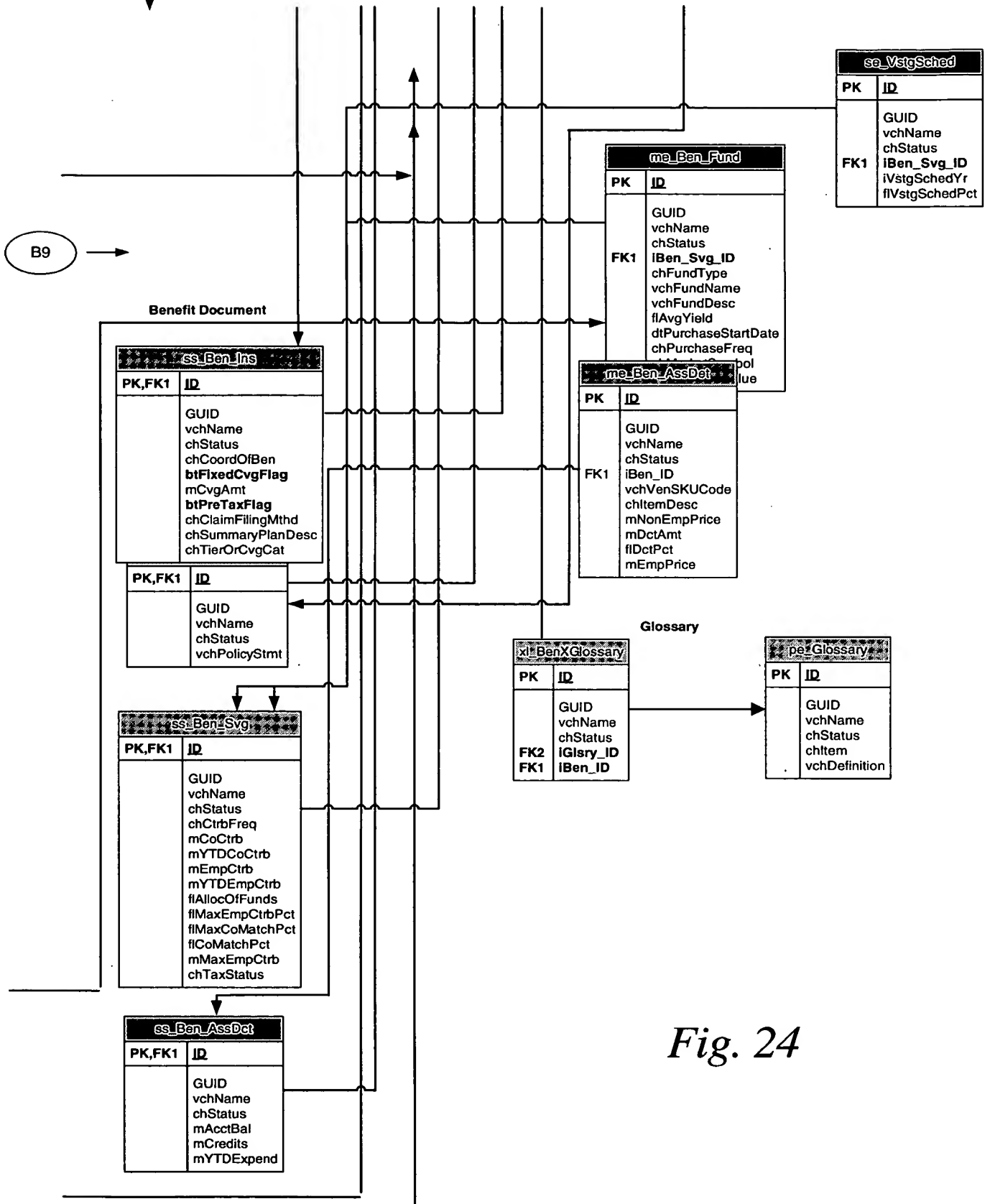


Fig. 23



A9

**B9**



# Lookup Tables

<table><tr><th colspan="2">lk_LookupTables</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_LookupTables		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_LocType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_LocType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_ComprUseLoc</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_ComprUseLoc		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_TaxStatus</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_TaxStatus		PK	ID	11	GUID chCode vchDesc
lk_LookupTables																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_LocType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_ComprUseLoc																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_TaxStatus																											
PK	ID																										
11	GUID chCode vchDesc																										
<table><tr><th colspan="2">lk_PurchaseIntent</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_PurchaseIntent		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_BonusCommType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_BonusCommType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_RecipType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_RecipType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_Entertainment</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_Entertainment		PK	ID	11	GUID chCode vchDesc
lk_PurchaseIntent																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_BonusCommType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_RecipType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_Entertainment																											
PK	ID																										
11	GUID chCode vchDesc																										
<table><tr><th colspan="2">lk_ReqType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_ReqType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_FmtStatus</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_FmtStatus		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_PurchaseOwnership</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_PurchaseOwnership		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_ComprUseFreq</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_ComprUseFreq		PK	ID	11	GUID chCode vchDesc
lk_ReqType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_FmtStatus																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_PurchaseOwnership																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_ComprUseFreq																											
PK	ID																										
11	GUID chCode vchDesc																										
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lk_ElectStatus																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_JobTitleCat																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_Publication																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_InvestmentType																											
PK	ID																										
11	GUID chCode vchDesc																										
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lk_BonusCommCalc																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_PmtPlan																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_DeptType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_State																											
PK	ID																										
11	GUID chCode vchDesc																										
<table><tr><th colspan="2">lk_HeadlineType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_HeadlineType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_Country</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_Country		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_EthnicOrigin</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_EthnicOrigin		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_Smoker</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_Smoker		PK	ID	11	GUID chCode vchDesc
lk_HeadlineType																											
PK	ID																										
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lk_Smoker																											
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11	GUID chCode vchDesc																										
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11	GUID chCode vchDesc																										
lk_Activity																											
PK	ID																										
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lk_DeptCode																											
PK	ID																										
11	GUID chCode vchDesc																										
<table><tr><th colspan="2">lk_MthdOfPmt</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_MthdOfPmt		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_ComprUse</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_ComprUse		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_BdcsType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_BdcsType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_RscType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_RscType		PK	ID	11	GUID chCode vchDesc
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lk_ComprUse																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_BdcsType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_RscType																											
PK	ID																										
11	GUID chCode vchDesc																										

A10



Fig. 25



*Fig. 26*